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TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Application Number	09/989,981
Filing Date	November 20, 2001
First Named Inventor	Hobbs, Helen H.
Group Art Unit	1632
Examiner Name	Not yet assigned

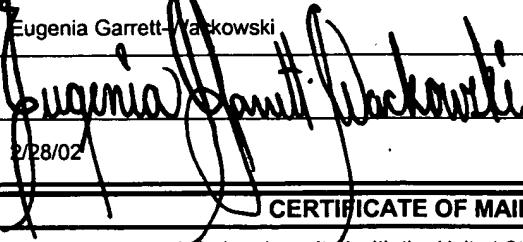
Total Number of Pages in This Submission	1	Attorney Docket Number	18781-007320
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ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input checked="" type="checkbox"/> Powers of Attorney and Statements Under 37 CFR 3.73(b) w/copy of assignment (for Tulank Inc. and Board of Regents, The University of Texas System)	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Return Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		Remarks
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

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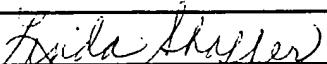
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP Eugenia Garrett-Yackowski	Reg. No. 37,330
Signature		
Date	2/28/02	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

2/28/02

Typed or printed name	Linda Shaffer		
Signature		Date	2/28/02

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WC 9038111 v1



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Attorney Docket No.: 18781-007320

ASSIGNMENT OF PROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Helen H. Hobbs, of 5117 Palomar, Dallas, Texas 75229; and Robert Barnes, of 8583 Santa Clara, Frisco, Texas 75034; hereinafter referred to as "Assignors," are inventors of the invention described and set forth in the below-identified provisional patent application:

Title of Invention: ABCG5 AND ABCG8: COMPOSITIONS AND METHODS
OF USE

Filing Date: November 20, 2001

Application No.: 09/989,981; and

WHEREAS, Board of Regents, The University of Texas System, located at 201 W. 7th Street, Austin, TX 78701, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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Assignment
Attorney Docket No.: 18781-007320
Page 2

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 1/17/02

Helen H. Hobbs
Helen H. Hobbs

SIGNATURE WITNESSED BY:

(1) Dated: 1/17/02

Kathleen V. Peill

(2) Dated: 1/17/02

Susan L. Hayes

Dated: 1/18/02

Robert Barnes
Robert Barnes

SIGNATURE WITNESSED BY:

(1) Dated: 1/18/02

Susan L. Hayes

(2) Dated: 1/18/02

Kathleen V. Peill

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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/989,981
Filing Date	November 20, 2001
First Named Inventor	Hobbs, Helen H.
Title	ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE
Group Art Unit	1632
Examiner Name	Not Yet Assigned
Attorney Docket Number	18781-007320

I hereby appoint:

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20350

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Label here*

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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Firm or
Individual Name

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Address			
City	State	ZIP	
Country			
Telephone	Fax		

I am the:

Applicant/Inventor.

Assignee of an undivided part interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Cullen M. Godfrey		
Signature			
Date	February 7, 2002		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.
Submit multiple forms if more than one signature is required, see below*.

*Total of 1 form is submitted.

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Attorney Docket No. 18781-007320

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Helen H. Hobbs, Bei Shan, Robert Barnes and Hui Tian

Application No./Patent No.: 09/989,981

Filed/Issue Date: November 20, 2001

Entitled: ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE

Board of Regents, The University of Texas System, a non-profit organization

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8.]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

January 23, 2002

Date


Signature

Cullen M. Godfrey

Typed or printed name

Vice Chancellor and General
Counsel Title

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COPY

Attorney Docket No.: 18781-007320

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Bei Shan of 349 Quay Lane, Redwood City, California 94065; and Hui Tian of 685 Beach Park Blvd., Foster City, California 94404; hereinafter referred to as "Assignors," are inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE

Filing Date: November 20, 2001

Application No.: 09/989,981; and

WHEREAS, Tularik Inc., a corporation of the state of Delaware, located at Two Corporate Drive, South San Francisco, California 94080, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 1/21/02

Hui Shan
Bei Shan

SIGNATURE WITNESSED BY:

(1) Dated: 1/21/02

M. Shu

(2) Dated: 1/21/02

S. Salter

Dated: 1/21/02

Hui Tian
Hui Tian

SIGNATURE WITNESSED BY:

(1) Dated: 1/21/02

Gail Romano

(2) Dated: 1/21/02

Joseph

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	09/989,981
	Filing Date	November 20, 2001
	First Named Inventor	Hobbs, Helen H.
	Title	ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE
	Group Art Unit	1632
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	18781-007320

I hereby appoint:														
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<input type="checkbox"/> 20350 →														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Registration Number</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> </tbody> </table>			Name	Registration Number										
Name	Registration Number													

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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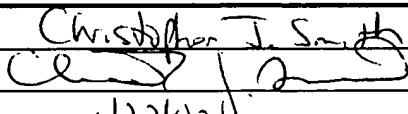
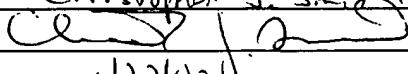
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<input checked="" type="checkbox"/> The above-mentioned Customer Number. OR <input type="checkbox"/> Practitioners at Customer Number		→	
<input type="checkbox"/> Firm or Individual Name			
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Address			
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Country			
Telephone		Fax	

I am the:

- Applicant/Inventor.
- Assignee of an undivided part interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name		
Signature		
Date	1/22/02	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 form is submitted.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Helen H. Hobbs, Bei Shan, Robert Barnes and Hui Tian

Application No./Patent No.: 09/989,981 Filed/Issue Date: November 20, 2001

Entitled: ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE

Stularik Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest

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in the patent application/patent identified above by virtue of either:

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
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3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

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The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

1/22/02

Date


Signature

Christopher J. Smith
Typed or printed name

Director of IP
Title

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